

Remarks

Claims 1-24 and 34-74 remain in the application. Claims 25-33 have been withdrawn.

The Examiner has requested a restriction of invention under 35 U.S.C. § 121 and has specifically restricted the application to claims 1-24 and 34-74, drawn to gain equalizer that demultiplexes a received optical signal into separate wavelength channels and amplifies each of the separate channels wherein the components are integrated on the same substrates, classified in class 359, subclass 349; and, to claims 25-33, drawn to a gain equalizer utilizing a low frequency response optical signal gain adjustment component and a high frequency gain adjustment component in series with the low frequency component, classified in class 359, subclass 337.1.

Applicant hereby restricts examination of the claims, without traverse, to claims 1-24 and 34-74. Applicant hereby reserves the right to file non-elected claims 25-33 by divisional.

Applicant looks forward to receiving a first Official Action in due course.

**Please charge any additional fees required or credit any overpayment to Deposit Account No. 50-1142.**

Respectfully submitted,



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